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                    GenCore version 5.1.5
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OM nucleic - nucleic search, using sw model

Run on: June 1, 2003, 15:24:09 ; Search time 120.319 Seconds
                                     (without alignments)
                                     5689.057 Million cell updates/sec

Title: US-09-625-573-1
Perfect score: 2232
Sequence: 1 GGATTGAACAAGGACGACCATT.........TATAACTATGTTGATAAAAG 2232

Scoring table: IDENTITY_NUC
                 Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :   Issued_Patents_NA:*
                 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
                 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
                 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
                 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
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                 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2232	100.0	2232	1	US-08-450-393A-1	Sequence 1, Appli
2	2232	100.0	2232	1	US-08-446-669-1	Sequence 1, Appli
3	2232	100.0	2232	5	PCT-US95-00476-1	Sequence 1, Appli
4	980	43.9	1979	1	US-08-450-393A-3	Sequence 3, Appli
5	980	43.9	1979	1	US-08-446-669-3	Sequence 3, Appli
6	980	43.9	1979	5	PCT-US95-00476-3	Sequence 3, Appli
7	635.6	28.5	1059	4	US-09-517-605-8	Sequence 8, Appli
8	632.6	28.3	1059	4	US-08-724-984A-3	Sequence 14, Appl
9	632.6	28.3	1071	4	US-09-087-232A-14	Sequence 14, Appl
10	632.6	28.3	1376	3	US-09-087-232A-12	Sequence 12, Appl
11	632.6	28.3	1477	4	US-08-833-752-2	Sequence 2, Appli
12	632.6	28.3	3383	4	US-08-861-105-13	Sequence 13, Appl
13	632.6	28.3	3383	4	US-08-575-967A-1	Sequence 1, Appli
14	632.6	28.3	5674	4	US-09-293-170-3	Sequence 3, Appli
15	629.4	28.2	1414	3	US-08-466-343D-1	Sequence 1, Appli
16	612.6	27.4	1344	3	US-09-087-232A-16	Sequence 16, Appl
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21	323.4	14.5	1065	4	US-08-847-296B-2	Sequence 2, Appli
22	323.4	14.5	1915	4	US-08-575-967A-3	Sequence 3, Appli
23	308.6	13.8	461	3	US-09-087-232A-11	Sequence 11, Appl
24	288.4	12.9	1607	3	US-08-875-573-19	Sequence 19, Appl
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26	264	11.8	1161	1	US-08-153-848-31	Sequence 31, Appl
27	264	11.8	1161	5	PCT-US93-1153-31	Sequence 31, Appl
28	264	11.8	2254	1	US-08-153-848-27	Sequence 27, Appl
29	264	11.8	2254	3	US-09-299-843A-27	Sequence 27, Appl
30	264	11.8	2254	4	US-09-088-337B-27	Sequence 27, Appl
31	264	11.8	2254	5	PCT-US93-1153-27	Sequence 27, Appl
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35	176	7.9	1050	4	US-08-681-192-1	Sequence 1, Appli
36	175.6	7.9	1200	5	PCT-US95-03032-1	Sequence 1, Appli
37	172.8	7.7	1664	4	US-09-045-583-4	Sequence 4, Appli
38	172.8	7.7	1664	4	US-09-534-185-4	Sequence 4, Appli
39	171.8	7.7	1137	6	US-09-045-583-6	Sequence 6, Appli
40	171.8	7.7	1137	4	US-09-534-185-6	Sequence 6, Appli
41	167.6	7.5	1200	5	PCT-US92-02977-1	Sequence 1, Appli
42	160	7.2	2577	3	US-09-266-464-1	Sequence 1, Appli
43	155.2	7.0	2085	3	US-09-299-843A-65	Sequence 65, Appl
44	155.2	7.0	2085	4	US-09-088-337B-65	Sequence 65, Appl
45	151.4	6.8	1106	5	PCT-US92-02977-5	Sequence 5, Appli

ALIGNMENTS

```
RESULT 1
US-08-450-393A-1
; Sequence 1, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
;   APPLICANT: Charo, Israel
;   APPLICANT: Coughlin, Shaun
;   TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
;   TITLE OF INVENTION: PROTEIN RECEPTORS
;   NUMBER OF SEQUENCES: 14
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
;     STREET: 5 Palo Alto Square
;     CITY: Palo Alto
;     STATE: California
;     COUNTRY: USA
;     ZIP: 94306-2155
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/450,393A
;     FILING DATE: May 25, 1995
;     CLASSIFICATION: 424
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Cserr, Luann
;     REGISTRATION NUMBER: 31,822
;     REFERENCE/DOCKET NUMBER: UCAL-237/02US
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 415-843-5165
;     TELEFAX: 415-8857-0663
;     TELEX: 380816CooleyPA
; INFORMATION FOR SEQ ID NO: 1:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 2232 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 40..1161
US-08-450-393A-1

  Query Match             100.0%;  Score 2232;  DB 1;  Length 2232;
  Best Local Similarity   100.0%;  Pred. No. 0;
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Matches 2232;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy   841 TTTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG 900
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Qy  2161 TGAAATGTAAATACTGTTTTAACAACTATGATTTGGAAAATAAATCAATGCTATAACTA 2220
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Db  2161 TGAAATGTAAATACTGTTTTAACAACTATGATTTGGAAAATAAATCAATGCTATAACTA 2220

Qy  2221 TGTTGATAAAAG 2232
         ||||||||||||
Db  2221 TGTTGATAAAAG 2232
```

```
Query Match             100.0%;  Score 2232;  DB 3;  Length 2232;
Best Local Similarity   100.0%;
Matches 2232;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     1 GGATTGAACAAGGACGCCATTCCCCAGTACATCCCAGTACATCCACAACATGCTGTCCACATCTCGTTCT 60
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GGATTGAACAAGGACGCCATTCCCCAGTACATCCCAGTACATCCACAACATGCTGTCCACATCTCGTTCT 60

Qy    61 CGGTTTATCAGAAATACCAACCAACAGAGAGCGGTGAAGAAGTCACCACCTTTTTTGATTATGAT 120
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61 CGGTTTATCAGAAATACCAACCAACAGAGAGCGGTGAAGAAGTCACCACCTTTTTTGATTATGAT 120

Qy   121 TACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121 TACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG 180
```

```
TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
TITLE OF INVENTION: PROTEIN RECEPTORS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
    ADDRESSEE: Robbins, Berliner & Carson
    STREET: 201 N. Figueroa Street, 5th Floor
    CITY: Los Angeles
    STATE: California
    COUNTRY: USA
    ZIP: 90012-2628
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
    APPLICATION NUMBER: PCT/US95/00476
    FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
    NAME: Berliner, Robert
    REGISTRATION NUMBER: 20,121
    REFERENCE/DOCKET NUMBER: 5555-291
TELECOMMUNICATION INFORMATION:
    TELEPHONE: 310-977-1001
    TELEFAX: 310-977-1003
    TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
    LENGTH: 2232 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
    NAME/KEY: CDS
    LOCATION: 40..1161
PCT-US95-00476-1

Query Match           100.0%;      Score 2232;   DB 5;    Length 2232;
Best Local Similarity 100.0%;                     Pred. No. 0;
Matches 2232;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy    1 GGATTGAACAAGGACGCATTTCCCCAGTACATCCACAACATGCTGTCCACATCTCGTTCT   60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GGATTGAACAAGGACGCATTTCCCCAGTACATCCACAACATGCTGTCCACATCTCGTTCT   60

Qy   61 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAGTCACCACCTTTTTGATTATGAT   120
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAGTCACCACCTTTTTGATTATGAT   120

Qy  121 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG   180
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG   180

Qy  181 CTCTACTCGCTGCTGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCATCTTA 240
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 CTCTACTCGCTGCTGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCATCTTA 240

Qy  241 ATAAACTGCAAAAGCTGAAGTGCTTGACTGCATTTACCGTGCTTCAACCTGGCCATCTCT  300
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 ATAAACTGCAAAAGCTGAAGTGCTTGACTGCATTTACCGTGCTTCAACCTGGCCATCTCT  300

Qy  301 GATCTGCTTTTTCTTATTACTCTCCCATTGTGGGCTCACTCTGCTGCAAATGAGTGGGTC  360
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301 GATCTGCTTTTTCTTATTACTCTCCCATTGTGGGCTCACTCTGCTGCAAATGAGTGGGTC  360

Qy  361 TTTGGGAATGCAATGTGCAAATTATTCACAGGGCTGTATCACATCGGTTATTTGGGCGGA  420
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  361 TTTGGGAATGCAATGTGCAAATTATTCACAGGGCTGTATCACATCGGTTATTTGGGCGGA  420

Db 1261 GGAAGGCTGAGGAGGAGAGACTCCAGCTGGCTGGAAAACAGTATTTCCAAAACTACCT  1320

Qy 1321 TCCAGTTCCTCATTTTGAATACAGGCATAGAGTTCAGACTTTTTTTAAATAGTAAAAT  1380
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1321 TCCAGTTCCTCATTTTGAATACAGGCATAGAGTTCAGACTTTTTTTAAATAGTAAAAT  1380

Qy 1381 AAAATTAAAGCTGAAAACTGCAACTGTAAATGGTAAAGAGTTAGTTTGAGTTGCTAT  1440
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1381 AAAATTAAAGCTGAAAACTGCAACTGTAAATGGTAAAGAGTTAGTTTGAGTTGCTAT  1440

Qy 1441 CATGTCAAACTGAAAATGCTGTATTAGTCACAGAGATAATTCTAGCTTGAGCTTAAGA  1500
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1441 CATGTCAAACTGAAAATGCTGTATTAGTCACAGAGATAATTCTAGCTTGAGCTTAAGA  1500

Qy 1501 ATTTGAGCAGGTGGTATGTTTGGGAGACTGCTGAGTCAACCCAATAGTGTTGATTGGC  1560
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1501 ATTTGAGCAGGTGGTATGTTTGGGAGACTGCTGAGTCAACCCAATAGTGTTGATTGGC  1560

Qy 1561 AGGAGTTGGAAGTGTGTGATCTGTGGCACATTAGCCTATGTGCATGCAGCATCTAAGTA  1620
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1561 AGGAGTTGGAAGTGTGTGATCTGTGGCACATTAGCCTATGTGCATGCAGCATCTAAGTA  1620

Qy 1621 ATGATGTCGTTTGAATCACAGTATACGCTCCATCCGTGTCATCTCAGCTGGATCTCCATT  1680
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1621 ATGATGTCGTTTGAATCACAGTATACGCTCCATCCGTGTCATCTCAGCTGGATCTCCATT  1680

Qy 1681 CTCTCAGGCTTGCTGCTGCCAAAAGCCTTTGTGTTTGTTTGTTATCATTATGAAGTCATGC 1740
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1681 CTCTCAGGCTTGCTGCTGCCAAAAGCCTTTGTGTTTGTTTGTTATCATTATGAAGTCATGC 1740

Qy 1741 GTTTAATCACATTCGAGTGTTTCAGTGCTTCGCAGATGTCCTTGATGCTCATATTGTTCC  1800
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1741 GTTTAATCACATTCGAGTGTTTCAGTGCTTCGCAGATGTCCTTGATGCTCATATTGTTCC  1800

Qy 1801 CTAATTGCCAGTGGGAACTCCTAAATCAAATTGGCTTCTAATCAAAGCTTTAAACCCT  1860
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1801 CTAATTGCCAGTGGGAACTCCTAAATCAAATTGGCTTCTAATCAAAGCTTTAAACCCT  1860

Qy 1861 ATTGGTAAAGAATGGAAGGTGGAGAAGACTCCCTGAAGTAAGCAAAGACTTCCTCTTAGT  1920
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1861 ATTGGTAAAGAATGGAAGGTGGAGAAGACTCCCTGAAGTAAGCAAAGACTTCCTCTTAGT  1920

Qy 1921 CGAGCCAAGTTAAGAAATGTTCTTATGTGCCCAGTTGTGTTTCTGATCTGATGCAAGCAAG 1980
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1921 CGAGCCAAGTTAAGAAATGTTCTTATGTGCCCAGTTGTGTTTCTGATCTGATGCAAGCAAG 1980

Qy 1981 AAACACTGGGCTTCAGAACCAGGCAACTTGGGAACTAGACTCCCAAGCTGGACTATGGC  2040
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1981 AAACACTGGGCTTCAGAACCAGGCAACTTGGGAACTAGACTCCCAAGCTGGACTATGGC  2040

Qy 2041 TCTACTTTCAGGCCACATGGCTAAAGAGGTTTCAGAAAGAAGTGGGACAGAGCAGAAC  2100
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 2041 TCTACTTTCAGGCCACATGGCTAAAGAGGTTTCAGAAAGAAGTGGGACAGAGCAGAAC  2100

Qy 2101 TTTCACCTTCATATATTTGTATGATCCTAATGAATGCATAAAATGTTAAGTTGATGTGA  2160
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 2101 TTTCACCTTCATATATTTGTATGATCCTAATGAATGCATAAAATGTTAAGTTGATGTGA  2160

Qy 2161 TGAAATGTAAATACTGTTTTTAACAACTATGATTTGAAAATAAATCAATGCTATAACTA  2220
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 2161 TGAAATGTAAATACTGTTTTTAACAACTATGATTTGAAAATAAATCAATGCTATAACTA  2220

Qy 2221 TGTTGATAAAAG 2232
         ||||||||||||
Db 2221 TGTTGATAAAAG 2232
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RESULT 3
PCT-US95-00476-1
; Sequence 1, Application PC/TUS950476
; GENERAL INFORMATION:
;   APPLICANT: The Regents of the University of California

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Qy   421 ATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGCTGTGTTT 480
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   421 ATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGCTGTGTTT 480

Qy   481 GCTTAAAGCCAGGACGGTCACCTTGGGTGTGACAAGTGATCACCTGGTTGGTG 540
         |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   481 GCTTAAAGCCAGGACGGTCACCTTGGGTGTGACAAGTGATCACCTGGTTGGTG 540

Qy   541 GCTGTGTTTGCTTGCTCTGTCCCAGGAATCATCCTTTACTAAATGCCAGAAAGAAGATTCTGTT 600
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   541 GCTGTGTTTGCTTGCTCTGTCCCAGGAATCATCCTTTACTAAATGCCAGAAAGAAGATTCTGTT 600

Qy   601 TATGTCTGTGGCCCTTATTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC 660
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   601 TATGTCTGTGGCCCTTATTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC 660

Qy   661 ATTTTGGGGCTGGTCCTGCGCGCTCATCATGGTCATCTGCTACTCGGGGAATCCTGAAA 720
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   661 ATTTTGGGGCTGGTCCTGCGCGCTCATCATGGTCATCTGCTACTCGGGGAATCCTGAAA 720

Qy   721 ACCCTGCTTCGGTGTCGAAACGAAGAAGAGGCAGTAGGGCAGTGAGTCATCTTCACC 780
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   721 ACCCTGCTTCGGTGTCGAAACGAAGAAGAGGCAGTAGGGCAGTGAGTCATCTTCACC 780

Qy   781 ATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCTCCTGAACACC 840
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   781 ATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCTCCTGAACACC 840

Qy   841 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG 900
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   841 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG 900

Qy   901 CAGGTTGACAGAGACTCTTGGGATGACTCACTGCTCGCTCATCAATCCATCCATGCCTTC 960
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   901 CAGGTTGACAGAGACTCTTGGGATGACTCACTGCTCGCTCATCAATCCATCCATGCCTTC 960

Qy   961 GTTGGGGAGAAGTTCAGAGAGCCTTTTCACATAGCTCTTGGCTGTAGGAGTCTTGCCCCACTC 1020
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   961 GTTGGGGAGAAGTTCAGAGAGCCTTTTCACATAGCTCTTGGCTGTAGGAGTCTTGCCCCACTC 1020

Qy  1021 CAAAAACCAGTGTGTGGAGGTCCAGGAGTGAGACCAGGAAAGAATGTGAAAGTGACTACA 1080
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1021 CAAAAACCAGTGTGTGGAGGTCCAGGAGTGAGACCAGGAAAGAATGTGAAAGTGACTACA 1080

Qy  1081 CAAGGACTCCTCGATGGTCGTGGAAAAGGAAAGTCAATTGGCAGAGCCCCTGAAGCCAGT 1140
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1081 CAAGGACTCCTCGATGGTCGTGGAAAAGGAAAGTCAATTGGCAGAGCCCCTGAAGCCAGT 1140

Qy  1141 CTTCAGGACAAAGAAGGAGCCTAGAGACAGAAATGACAGATCTCGCTTGGAAATCACA 1200
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1141 CTTCAGGACAAAGAAGGAGCCTAGAGACAGAAATGACAGATCTCGCTTGGAAATCACA 1200

Qy  1201 CGTCTGCTTCACAGATGTGTGATTCACAGTGAATCTTGGTGTCTACGTTACCAGGCA 1260
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1201 CGTCTGCTTCACAGATGTGTGATTCACAGTGAATCTTGGTGTCTACGTTACCAGGCA 1260

Qy  1261 GGAAGGCTGAGAGGAGAGAGACTCCAGCTGGGTTGGAAAACAGTATTTTCCAAACTACCT 1320
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1261 GGAAGGCTGAGAGGAGAGAGACTCCAGCTGGGTTGGAAAACAGTATTTTCCAAACTACCT 1320

Qy  1321 TCCAGTTCCTCATTTTGAATACACTGTTTTAACAACTATGATTGGAAAATAAAAT 1380
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1321 TCCAGTTCCTCATTTTGAATACACTGTTTTAACAACTATGATTGGAAAATAAAAT 1380

Qy  1381 AAAATTAAAGCTGAAAACTGCAACTGCAACTGTAAATGGTAAAGAGTTGGTTGAGTTGCTAT 1440
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1381 AAAATTAAAGCTGAAAACTGCAACTGCAACTGTAAATGGTAAAGAGTTGGTTGAGTTGCTAT 1440

Qy  1441 CATGTCAAACGTGAAAATGCTGTATTAGTCACAGAGATAATTCTAGCTTGAGCTTAAGA 1500
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1441 CATGTCAAACGTGAAAATGCTGTATTAGTCACAGAGATAATTCTAGCTTGAGCTTAAGA 1500

Qy  1501 ATTTTGAGCAGGTGGTATGTTGGGAGACTGCTGGGCACATTAGCCTATGTGCATCGAGTA 1560
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1501 ATTTTGAGCAGGTGGTATGTTGGGAGACTGCTGGGCACATTAGCCTATGTGCATCGAGTA 1560

Qy  1561 AGGAGTTGGAAGTGTGTGATCTGTGGCACATTAGCCTATGTGCATCAGCAGCTAAGTA 1620
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1561 AGGAGTTGGAAGTGTGTGATCTGTGGCACATTAGCCTATGTGCATCAGCAGCTAAGTA 1620

Qy  1621 ATGATGTCGTTTGAATCACAGTATAGCTCCATCGCTGTCATCTCAGCTGGATCTCCATT 1680
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1621 ATGATGTCGTTTGAATCACAGTATAGCTCCATCGCTGTCATCTCAGCTGGATCTCCATT 1680

Qy  1681 CTCTCAGGCTTGCTGCGCCAAAAGCCTTTTGTGTTTGTGTTTGTTGTATCATTATGAAGTCATGC 1740
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1681 CTCTCAGGCTTGCTGCGCCAAAAGCCTTTTGTGTTTGTGTTTGTTGTATCATTATGAAGTCATGC 1740

Qy  1741 GTTTAATCACATTCGAGTGTTTCAGTGCTTCCAGATGCTCCTTGATGCTCATATTGTTCC 1800
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1741 GTTTAATCACATTCGAGTGTTTCAGTGCTTCCAGATGCTCCTTGATGCTCATATTGTTCC 1800

Qy  1801 CTAATTTGCCAGTGGGAACTCCTAAATCAAATTGGCTTCTAATCAAAGCTTTTAAACCCT 1860
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1801 CTAATTTGCCAGTGGGAACTCCTAAATCAAATTGGCTTCTAATCAAAGCTTTTAAACCCT 1860

Qy  1861 ATTGGTAAAGAATGGAAGGTGGAGAAGCTCCCTGAAGTAAGCAAAGACTTTCCTCTTAGT 1920
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1861 ATTGGTAAAGAATGGAAGGTGGAGAAGCTCCCTGAAGTAAGCAAAGACTTTCCTCTTAGT 1920

Qy  1921 CGAGCCAAGTAAGAAATGTTCTTATGTTGCCCAGTGTGTTTCTGATCTGATGCAAGCAAG 1980
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1921 CGAGCCAAGTAAGAAATGTTCTTATGTTGCCCAGTGTGTTTCTGATCTGATGCAAGCAAG 1980

Qy  1981 AAACACTGGCTTCTAGAACCAGGCAACTTGGGAACTAGACTCCCAAGCTGGACTATGGC 2040
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1981 AAACACTGGCTTCTAGAACCAGGCAACTTGGGAACTAGACTCCCAAGCTGGACTATGGC 2040

Qy  2041 TCTACTTTCAGGCCACATGCTAAAGAAGGTTCAGAAGAAGTTGGGACAGAGCAGAAC 2100
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  2041 TCTACTTTCAGGCCACATGCTAAAGAAGGTTCAGAAGAAGTTGGGACAGAGCAGAAC 2100

Qy  2101 TTTCACCTTCATATATTGTGATGATCCTAATGAATTGCATAAAATGTAAGTGATGGTGA 2160
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Db  2101 TTTCACCTTCATATATTGTGATGATCCTAATGAATTGCATAAAATGTAAGTGATGGTGA 2160

Qy  2161 TGAAATGTAAATACTGTTTTAACAACTATGATTGGAAAATAAATAAATGCTATAACTA 2220
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  2161 TGAAATGTAAATACTGTTTTAACAACTATGATTGGAAAATAAATAAATGCTATAACTA 2220

Qy  2221 TGTTGATAAAAG 2232
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Db  2221 TGTTGATAAAAG 2232
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;   SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/450,393A
;   FILING DATE:  May 25, 1995
;   CLASSIFICATION: 424
;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Cserr, Luann
;   REGISTRATION NUMBER:  31,822
;   REFERENCE/DOCKET NUMBER:  UCAL-237/02US
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  415-843-5165
;   TELEFAX:  415-8857-0663
;   TELEX:  380816CooleyPA
; INFORMATION FOR SEQ ID NO:  3:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  1979 base pairs
;   TYPE:  nucleic acid
;   STRANDEDNESS:  single
;   TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA
;   HYPOTHETICAL:  NO
;   ANTI-SENSE:  NO
;   FEATURE:
;   NAME/KEY:  CDS
;   LOCATION:  81..1160
US-08-450-393A-3
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Query Match       43.9%;   Score 980;   DB 1;   Length 1979;
Best Local Similarity   100.0%;   Pred. No. 2.3e-270;
Matches  980;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

Qy      1 GGATTGAACAAGGACGCAATTCCCCAGTACATCCAACAACATGCTGTCCACATCTCGTTCT    60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     42 GGATTGAACAAGGACGCAATTCCCCAGTACATCCAACAACATGCTGTCCACATCTCGTTCT   101

Qy     61 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAAGTCACCACCTTTTTTGATTATGAT   120
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Db    102 CGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAAGTCACCACCTTTTTTGATTATGAT   161

Qy    121 TACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG   180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    162 TACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG   221

Qy    181 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGCAACATGCTGGTCTCCTCCATCTTA   240
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Db    222 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGCAACATGCTGGTCTCCTCCATCTTA   281

Qy    241 ATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGGCCATCTCT   300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    282 ATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGGCCATCTCT   341

Qy    301 GATCTGCTTTTTCTTATTACTCTCCCATTGTGGGCTCACTCTGCAAATGAGTGGGTC   360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    342 GATCTGCTTTTTCTTATTACTCTCCCATTGTGGGCTCACTCTGCAAATGAGTGGGTC   401

Qy    361 TTTGGGAATGCAAGTGCAAATTATTCACAGAGGCTGTATCACATCGGTTATTTTGGCGGA   420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    402 TTTGGGAATGCAAGTGCAAATTATTCACAGAGGCTGTATCACATCGGTTATTTTGGCGGA   461

Qy    421 ATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGCTGTGTT   480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    462 ATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATGCTGTGTT   521

Qy    481 GCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCTGGTTGGTG   540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    522 GCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCTGGTTGGTG   581

Qy    541 GCTGTGTTGTTCTTCTGTCCCAGGAATCATCTTTACTAAATGCCAGAAGAAGATTCTGTT   600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    582 GCTGTGTTGTTCTTCTGTCCCAGGAATCATCTTTACTAAATGCCAGAAGAAGATTCTGTT   641

Qy    601 TATGTCTCTGTGGCCCTTATTTTCCACGAGGATGGAATAATTTCCACCACAATAATGAGGAAC   660
          |||||||||||||||||||||||||||||||||||||||||||||||
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Db    642 TATGTCTCTGTGGCCCTTATTTTCCACGAGGATGGAATAATTTCCACCACAATAATGAGGAAC   701

Qy    661 ATTTTGGGCTGGTCCTGCCGCTGCTCATCATGTCATCTGCTACTCGGGAATCCTGAAA   720
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    702 ATTTTGGGCTGGTCCTGCCGCTGCTCATCATGTCATCTGCTACTCGGGAATCCTGAAA   761

Qy    721 ACCCTGCTTCGGTGTGTCGAAACGACAGAAGAAGAGAGGCAGTGAGTCATCTTCACC   780
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    762 ACCCTGCTTCGGTGTGTCGAAACAGCAGAAGAAGAGAGGCAGTGAGTCATCTTCACC   821

Qy    781 ATCATGATTGTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCTCCTGAACACC   840
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    822 ATCATGATTGTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCTCCTGAACACC   881

Qy    841 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG   900
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    882 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG   941

Qy    901 CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCTTC   960
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    942 CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCTTC   1001

Qy    961 GTTGGGGGAGAAGTTCAGAAG    980
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Db   1002 GTTGGGGGAGAAGTTCAGAAG   1021
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RESULT 5
US-08-446-669-3
; Sequence 3, Application US/08446669
; Patent No. 6132987
; GENERAL INFORMATION:
;   APPLICANT:  Charo, Israel
;   APPLICANT:  Coughlin, Shaun
;   TITLE OF INVENTION:  MAMMALIAN MONOCYTE CHEMOATTRACTANT
;   TITLE OF INVENTION:  PROTEIN RECEPTORS
;   NUMBER OF SEQUENCES:  14
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  Cooley Godward Castro Huddleson & Tatum
;   STREET:  5 Palo Alto Square
;   CITY:  Palo Alto
;   STATE:  California
;   COUNTRY:  USA
;   ZIP:  94306-2155
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  Floppy disk
;   COMPUTER:  IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/446,669
;   FILING DATE:  May 25, 1995
;   CLASSIFICATION:  435
;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Neeley, Richard
;   REGISTRATION NUMBER:  30,092
;   REFERENCE/DOCKET NUMBER:  UCAL-237/01US
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  415-843-5000
;   TELEFAX:  415-857-0663
;   TELEX:  380816CooleyPA
; INFORMATION FOR SEQ ID NO:  3:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  1979 base pairs
;   TYPE:  nucleic acid
;   STRANDEDNESS:  single
;   TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA
;   HYPOTHETICAL:  NO
;   ANTI-SENSE:  NO
;   FEATURE:
;   NAME/KEY:  CDS
;   LOCATION:  81..1160
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RESULT 6
PCT-US95-00476-3
; Sequence 3, Application PC/TUS9500476
; GENERAL INFORMATION:
;   APPLICANT: The Regents of the University of California
;   TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
;   TITLE OF INVENTION: PROTEIN RECEPTORS
;   NUMBER OF SEQUENCES: 14
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Robbins, Berliner & Carson
;   STREET: 201 N. Figueroa Street, 5th Floor
;   CITY: Los Angeles
;   STATE: California
;   COUNTRY: USA
;   ZIP: 90012-2628
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US95/00476
;   FILING DATE:
;   CLASSIFICATION:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Berliner, Robert
;   REGISTRATION NUMBER: 20,121
;   REFERENCE/DOCKET NUMBER: 5555-291
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 310-977-1001
;   TELEFAX: 310-977-1003
;   TELEX:
; INFORMATION FOR SEQ ID NO: 3:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1979 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 81..1160
PCT-US95-00476-3

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Query Match            43.9%;  Score 980;  DB 5;  Length 1979;
Best Local Similarity  100.0%;  Pred. No. 2.3e-270;  Indels 0;  Gaps 0;
  Matches 980;  Conservative 0;  Mismatches 0;

Qy    1 GGATTGAACAAGGACGACGCATTCCCAGTACATCCACAACATGCTGTCCACAATCTCGTTCT   60
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Db   42 GGATTGAACAAGGACGACGCATTCCCAGTACATCCACAACATGCTGTCCACAATCTCGTTCT  101

Qy   61 CGGTTTATCAGAAATACCAACGAGACGCGGTGAAGAAGTCACCACCTTTTTGATTATGAT  120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  102 CGGTTTATCAGAAATACCAACGAGACGCGGTGAAGAAGTCACCACCTTTTTGATTATGAT  161

Qy  121 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG  180
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  162 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG  221

Qy  181 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCCATCTTA  240
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  222 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCCATCTTA  281

Qy  241 ATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTACCTGCTCAACCTGGCCATCTCT  300
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  282 ATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTACCTGCTCAACCTGGCCATCTCT  341

Qy  301 GATCTGCTTTTCTTATTACTCTCCCCATTGTGGCTCACTCTGCTGCAAATGAGTGGGTC  360
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US-08-446-669-3

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Query Match            43.9%;  Score 980;  DB 3;  Length 1979;
Best Local Similarity  100.0%;  Pred. No. 2.3e-270;  Indels 0;  Gaps 0;
  Matches 980;  Conservative 0;  Mismatches 0;

Qy    1 GGATTGAACAAGGACGACGCATTCCCAGTACATCCACAACATGCTGTCCACAATCTCGTTCT   60
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Db   42 GGATTGAACAAGGACGACGCATTCCCAGTACATCCACAACATGCTGTCCACAATCTCGTTCT  101

Qy   61 CGGTTTATCAGAAATACCAACGAGACGCGGTGAAGAAGTCACCACCTTTTTGATTATGAT  120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  102 CGGTTTATCAGAAATACCAACGAGACGCGGTGAAGAAGTCACCACCTTTTTGATTATGAT  161

Qy  121 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG  180
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  162 TACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCCTGCCTCCG  221

Qy  181 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCCATCTTA  240
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  222 CTCTACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCGTCCTCCATCTTA  281

Qy  241 ATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTACCTGCTCAACCTGGCCATCTCT  300
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Db  282 ATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTACCTGCTCAACCTGGCCATCTCT  341

Qy  301 GATCTGCTTTTCTTATTACTCTCCCCATTGTGGCTCACTCTGCTGCAAATGAGTGGGTC  360
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  342 GATCTGCTTTTCTTATTACTCTCCCCATTGTGGCTCACTCTGCTGCAAATGAGTGGGTC  401

Qy  361 TTTGGGAATGCAAATGCAAATTAATTCACAGGGCTGTGATCACATCGGTTATTTCGGCGGA  420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  402 TTTGGGAATGCAAATGCAAATTAATTCACAGGGCTGTGATCACATCGGTTATTTCGGCGGA  461

Qy  421 ATCTTCTTCATCATCCTCCTGACAATCGATTAGATACCTGGCTATTGTCCATGCTGTGTTT  480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  462 ATCTTCTTCATCATCCTCCTGACAATCGATTAGATACCTGGCTATTGTCCATGCTGTGTTT  521

Qy  481 GCTTTAAAAGCCAGGACGGTCACCTTTGGGACAAGTGGTGATCACCGGTTGGTGTG  540
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  522 GCTTTAAAAGCCAGGACGGTCACCTTTGGGACAAGTGGTGATCACCGGTTGGTGTG  581

Qy  541 GCTGTGTTTGCTTCTGCTCCCCAGGAATCATCTTTACTAAATGCCAGAAAGAAGATTCTGTT  600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  582 GCTGTGTTTGCTTCTGCTCGTCCCCAGGAATCATCTTTACTAAATGCCAGAAAGAAGATTCTGTT  641

Qy  601 TATGTCTGTGGCCCCTTATTTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC  660
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  642 TATGTCTGTGGCCCCTTATTTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC  701

Qy  661 ATTTTGGGGCTGGTCCGCCTGCGCCGCTGCTCATCATGGTCATCATGGTCATCGTCTACTCGCTGGGAATCCTGAAA  720
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  702 ATTTTGGGGCTGGTCCGCCTGCGCCGCTGCTCATCATGGTCATCATGGTCATCGTCTACTCGCTGGGAATCCTGAAA  761

Qy  721 ACCCTGCTTCGGTGTCGAAACGAGAAGAGGCATAGGGCAGTGAGTCATCTTCACC  780
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  762 ACCCTGCTTCGGTGTCGAAACGAGAAGAGGCATAGGGCAGTGAGTCATCTTCACC  821

Qy  781 ATCATGATTGTTTTACTTTCTCTTCTGACTCCCTATAACATTGTCATTCTCCTGAACACC  840
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  822 ATCATGATTGTTTTACTTTCTCTTCTGACTCCCTATAACATTGTCATTCTCCTGAACACC  881

Qy  841 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG  900
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  882 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG  941

Qy  901 CAGGTGACAGAGACTCTTGGATGACTCACTGCGCATCAATCCCATCAATCCATCATGCCTTC  960
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  942 CAGGTGACAGAGACTCTTGGATGACTCACTGCGCATCAATCCCATCAATCCATCATGCCTTC 1001

Qy  961 GTTGGGGAGGAAGTTCAGAAG  980
          ||||||||||||||||||
Db 1002 GTTGGGGAGGAAGTTCAGAAG 1021
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Db  342 GATCTGCTTTTTTCTTATTACTCTCCCATTGTGGCTCACTCTGCTGCAAATGAGTGGGTC  401
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Qy  361 TTTGGGAATGCAATGTGCAAATTATTCACACGGGCTGTATCACATCGGTTATTTGGCGGA  420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  402 TTTGGGAATGCAATGTGCAAATTATTCACACGGGCTGTATCACATCGGTTATTTGGCGGA  461
Qy  421 ATCTTCTTCATCATCCTCGACAATCGATAGATACCTGGCTATTGTCCATCGCTGTGTTT   480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  462 ATCTTCTTCATCATCCTCGACAATCGATAGATACCTGGCTATTGTCCATCGCTGTGTTT   521
Qy  481 GCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGTGACAAGTGTGATCACCTGGGTTGGTG  540
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Db  522 GCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGTGACAAGTGTGATCACCTGGGTTGGTG  581
Qy  541 GCTGTGTTTGCTTCTGTCCCAGGAATCATCTTACTAAATGCCAGAAAGAAGATTCTGTT   600
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  582 GCTGTGTTTGCTTCTGTCCCAGGAATCATCTTACTAAATGCCAGAAAGAAGATTCTGTT   641
Qy  601 TATGTCTGTGGCCCTTATTTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC  660
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  642 TATGTCTGTGGCCCTTATTTTCCACGAGGATGGAATAATTTCCACACAATAATGAGGAAC  701
Qy  661 ATTTTGGGGCTGGTCCTGCCGCCGGTCATCATGGTCATCTGCTACTCGGGGAATCCTGAAA 720
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  702 ATTTTGGGGCTGGTCCTGCCGCCGGTCATCATGGTCATCTGCTACTCGGGGAATCCTGAAA 761
Qy  721 ACCCTGCTTCGGTGTCGAAACGAGAAGAGAGGCATAGGCCAGTCAGTGAGAGTCATCTTCACC 780
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Db  762 ACCCTGCTTCGGTGTCGAAACGAGAAGAGAGGCATAGGCCAGTCAGTGAGAGTCATCTTCACC 821
Qy  781 ATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCCTCCTGAACACC 840
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Db  822 ATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAACATTGTCATTCCTCCTGAACACC 881
Qy  841 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG  900
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  882 TTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCAGTCAACTGGACCAAGCCACG  941
Qy  901 CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCTTC  960
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Db  942 CAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCAATCCCATCATCTATGCCTTC  1001
Qy  961 GTTGGGGAGAAGTTCAGAAG  980
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Db 1002 GTTGGGGAGAAGTTCAGAAG  1021
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Qy  110 TTGATTATGATTACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCCCAAC  169
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Db   35 TCGATTATGATACATCGGAGCCCTGCCAAAAAAATCAATGTGAAGCAAATCGCAGCCCGCC  94
Qy  170 TCCTGCCTCCGCTCACTCGCTGGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCG   229
        |||||||||| |||| |||||||||| |||||||||||||||||||||||||||||||
Db   95 TCCTGCCTCCACTCTCACTCGCTGGTGTGTTCATCTTTGGTTTGTGGGCAACATGCTGGTCA 154
Qy  230 TCCTCATCTAATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACC  289
        |||| ||| ||| ||||||||||||  |||||  ||||  |||||| ||||||||||||
Db  155 TCCTCGTGCCTGATAAACTGCAAAAAGGCTGAAGGCATGCATGACATCTACCTGCTCAACC 214
Qy  290 TGGCCATCTCTGATCGCTCTTTTCTTATTACTCTCCCATTGTGGCTCACTCTGCTGCAA  349
        |||||||||||| | |  |||||||||| || |||| ||||| |||||||||||||||
Db  215 TGGCCATCTCTGACCTGTTTTTCCTTCTACTGTCCCCTTACTGTGGGCTCACTCTGCTGCTG 274
Qy  350 ATGAGTGGGTCTTTGGGAATGCAAATGTGCAAATTATTCACACGGCTGTATCACATCGGTT 409
        ||| |||| || ||||| || | | |||| |||| | |||  | || |||| |   ||| |
Db  275 CCCAGTGGGACTTTGGAAATACAATGTGTCAACTCTGACAGGCTCTATTTTATAGGCT     334
Qy  410 ATTTTGGCGGAATCTTCTTCATCATCCTCGACAATCGATAGATACCTGGCTATTGTCC   469
        || |   || ||||||||||||||||||||||||||||| |||||| |||||  ||||
Db  335 TCTTCTCTGGAATCTTCTTCATCATCCTCGACAATCGATAGATACCTAGCTATCGTCC   394
Qy  470 ATGCTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGTGACAAGTGTGATCA  529
        ||||||||||||||||||||||||||||| |||||||||||  |||||||||||||||
Db  395 ATGCTGTGTTTGCTTTAAAAGCCAGGACGCGGTCACCTTTGGGGTAGTGACAAGTGTGATCA 454
Qy  530 CCTGGTTGGTGGCTGTGTTGCTTCTGTCCCCAGGAATCATCTTTACTAAATGCCAGAAAG 589
        | ||| |||||||||||||||| || | | || ||||||||||||| |   || |||||
Db  455 CTTGGGTGGTGGCTGTGTTTGCTGTTCATCTCTCCAGGAATCATCTTTACCAGAATCTCAAAAAG 514
Qy  590 AAGATTCTGTTTATGTCTGTGGCCCTTATTTTCCA---------CGAGGATGGAATA     637
        ||| | ||  || |  | ||  ||||| |||||||        | || || |||| |
Db  515 AAGGTCTTCATTACACCTGCAGCTCTCATTTCCATACAGTCAGTATCAATTCTGGAAGA  574
Qy  638 ATTTCCACACAATAATGAGGAACATTTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCA 697
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Db  575 ATTTCCAGACATTAAAGATAGTCATCTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCA  634
Qy  698 TCTGCTACTCGGGGAATCCTGAAAACCCTGAAACCGAGAAGAAGAGAGGCATA        757
        ||||||||||||||||||  ||||| | ||| | |||||||||||||||||| ||
Db  635 TCTGCTACTCGGGGAATCCTAAAAACTCTGCTTCGGTGTCGAAACGAGAAGAAGAGAGGCACA 694
Qy  758 GGGCAGTGAGAGTCATCTTCACCATCATGATTGTTACTTTCTCTTCTGGACTCCCTATA  817
        ||| ||||| | ||||||||||||||||||||||| ||| ||||||||  | |||||| |
Db  695 GGGCTGTGAGGCCTTATCTTCACCATCATGATTGTTGTTATTTTCTCTTCTCGGCGCCCTACA 754
Qy  818 ACATTGTCATTCCTCCTGAACACCTTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCA 877
        |||||||| |||||||||||||||||||||||||||||| |||||| || || || ||| |
Db  755 ACATTGTCCTTCCTCCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAGCT  814
Qy  878 CCAGTCAACTGGACCAAGCCACGCAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCA  937
        | || | || ||||||||||   ||||||||||||||||||||||||||   || |||||
Db  815 CTAACAGGTTGGACCAAGCCAGGTGACAGAGACTCTTGGGATGACGACCACTGCTGCA     874
Qy  938 TCAATCCCATCATCTATGCCTTCGTTGGGGAGAAGTTCAGAAGC  981
        |||| ||||||||| ||||||| ||||||||||||||||||| |
Db  875 TCAACCCCATCATCATCTATGCCTTTGTTGGGGAGAAGTTCAGAAAC  918
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RESULT 7
US-09-517-605-8
; Sequence 8, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geijtenbeck, Tneo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1059
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-517-605-8

Query Match   28.5%;   Score 635.6; DB 4;   Length 1059;
Best Local Similarity 83.5%; Pred. No. 5.5e-172;
Matches 738; Conservative   0; Mismatches 134; Indels 12; Gaps 1;

RESULT 8
US-08-724-984A-3
; Sequence 3, Application US/08724984A
; Patent No. 6388055
; GENERAL INFORMATION:
; APPLICANT: Derk Bergsma, Mary Brawner, and Usman Shabon
; TITLE OF INVENTION: No. 638805sel Mouse Genomic Clone of the CC-
; TITLE OF INVENTION: CKR5 Receptor
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation

```
;   STREET:    709 Swedeland Road, P.O. Box 1539
;   CITY:      King of Prussia
;   STATE:     PA
;   COUNTRY:   USA
;   ZIP:       19406-0939
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;   COMPUTER:  IBM 486
;   OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
;   SOFTWARE:  MICROSOFT WORD
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/724,984A
;   FILING DATE: October 3, 1996
;   CLASSIFICATION: 800
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:
;   FILING DATE:
;  ATTORNEY/AGENT INFORMATION:
;   NAME:   William T. Han
;   REGISTRATION NUMBER: 34,344
;   REFERENCE/DOCKET NUMBER: ATG50023
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 610 270 5024
;   TELEFAX:   610 270 5090
; INFORMATION FOR SEQ ID NO:   3:
;   SEQUENCE CHARACTERISTICS:
;    LENGTH: 1059
;    TYPE:   Nucleic Acid
;    STRANDEDNESS: Single
;    TOPOLOGY: Linear
;   ANTI-SENSE: No
US-08-724-984A-3

Query Match     28.3%;     Score 632.6;  DB 4;  Length 1059;
Best Local Similarity 83.4%;  Pred. No. 3.9e-171;
Matches 735;  Conservative 0;  Mismatches 134;  Indels 12;  Gaps  1;

Qy  113 ATTATGATTACGGTGCTCCCTGTCATAAAATTGACGTGAAGCAAATTGGGGCCCAACTCC 172
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Db   38 ATTATTATACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCGCCTCC   97

Qy  173 TGCCTCCGCTCACTCGGTGTCATCTTTGGTTTGTGGGCAACATGCTGGTCCTCC 232
         |||||||||||||| || |||||||||||||| ||||||||||||||| |
Db   98 TGCCTCCGCTCACTCACTGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCATCC 157

Qy  233 TCATCTTAATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG 292
         |||||  ||||||||||||| ||||||| ||  ||| |||||| |||||||||||||||
Db  158 TCATCCTGATAAACTGCAAAAGGCTGAAGAGCATGACGACTGACATCTACCTGCTCAACCTGG 217

Qy  293 CCATCTCTGAICTGCTTTTTCTTATTACTCTCCCATGTGGGCTCACTCTGCTGCAAATG 352
         |||||||||| |||||||||||| ||||| ||||| ||||||||||| |||||||||||
Db  218 CCATCTCTGACCTGTTTTTCCTTCTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCC 277

Qy  353 AGTGGGTCTTTGGAATGCAATGTGCAAATATTCACACAGGCGTGTATCACATCCGGTTATT 412
         ||||||  ||||||||  ||||||| ||  || ||||| |  || ||    || ||| | |
Db  278 AGTGGGACTTTGGAAATACAATGTGTCAACTCTTGACAGGGCTCTATTTTTATAGGCTTCT 337

Qy  413 TTGGCGGAATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATG 472
          | |||||||||||||||||||||||||||||||||||||  |||||||| | |||||||
Db  338 TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCCGTGTCTCCATG 397

Qy  473 CTGTGTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGTGACAAGTGTGATCACCT 532
         ||||||| |||||||||||||||||||||||||||||||| ||||||||||||||| |
Db  398 CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT 457

Qy  533 GGTTGGTGGTGGCTGTGTTTGCTTCGTCGTCTCCCAGGAATCATCTTTACTAAATGCCAGAAAGAG 592
         || ||||||||||||||||||| |  ||| || |||||||||||||||||| | |||| ||||||
Db  458 GGGTGGTGGTGGCTGTGTTTGCCGCTCTCACTGGAATCAICTTTACCAGAGTGATCACTT 517

Qy  593 ATTCTGTTTATGTCTGTGGCCCCTTATTTTCCA----------CGAGGATGGAATAATT 640
         | |||| |||||  | | ||||| ||||||||||          |  |||||||||| ||
Db  518 GTCTTCATTACACCTGCCAGCTCICATTTTCCAIACAGTCAGTATCAATTCTGGAAGAATT 577
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Qy  641 TCCACACAATAATGAGGAACATTTGGGGCTGGTCCTGCCCGCTGCTCATCATGGTCATCT 700
         |||| ||| |||  |  |||||||||||||||||||||| ||||||||||
Db  578 TCCAGACATTAAAGATAGTAGTCATCTTGGGGCTCGTGTCCGCTGCTTGTCATGGTCATCT 637

Qy  701 GCTACTCGGGAATCCTGAAAACCCTGCTTCGTGTCGAAACAGAGAAGAAGAGGCATAGGG 760
         |||||||||||||||| |||||  ||||||| ||||| | |||||||||||| ||||||
Db  638 GCTACTCGGGAATCCTAAAAACTGCTTCGGTGTCGGGTGTCGAAATGAGAAGAGGCACAGGG 697

Qy  761 CAGTGAGTGCATCTTCACCATCATCATGATTGTTTACTTCTCTTCTGCACTCCCTATAACA 820
         | |||||| |||||||||||||||||||||||| |||||||||||| |||||||||| ||
Db  698 CTGTGAGGCTTATCTTCACCATCATGATTGTTTATTTCTCTTCTGGGCTCCCTACACA 757

Qy  821 TTGTCATTCCTCTGAACACTTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCA 880
         ||||| ||||||||||||| |||||||||||| ||||||| ||| || |||| | |||
Db  758 TTGTCCTTCCTCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAGCTCTA 817

Qy  881 GTCAACTGGACCAAGCCACGCAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATCA 940
         | |||| ||||||||| | |||||||||||||||||||||||||||| ||||||||||||
Db  818 ACAGGTTGGACCAAGCTATGCAGGTGACAGAGACTCTTGGGATGACGCCACTGCTGCATCA 877

Qy  941 ATCCCATCATCATGCCTTCGTTGGGGAGAAGTTCAGAAGC 981
         | ||||||||||||||||  | |||||||||||||||| |
Db  878 ACCCCATCATCATGCCTTTGTCGGGGAGAAGTTCAGAAAC 918
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RESULT 9
US-09-087-232A-14
; Sequence 14, Application US/09087232A
; Patent No. 6153431
; GENERAL INFORMATION:
; APPLICANT: Quillent et al.
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
; TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Baker & Botts, L.L.P. attn. Lisa Kole
;   STREET: 30 Rockefeller Plaza
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10112
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/087,232A
;   FILING DATE: 28 MAY 1998
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 60/048,057
;   FILING DATE: 30 MAY 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: KOLE, LISA B.
;   REGISTRATION NUMBER: 35,225
;   REFERENCE/DOCKET NUMBER: AP 31115
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 408-2628
;   TELEFAX: (212) 765-2519
; INFORMATION FOR SEQ ID NO: 14:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1071 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 7..309
US-09-087-232A-14

Query Match   28.3%; Score 632.6; DB 3; Length 1071;

Best Local Similarity 83.4%; Pred. No. 4e-171;
Matches 735; Conservative 0; Mismatches 134; Indels 12; Gaps 1;

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Qy  113  ATTATGATTACGGTGCTCCCGTGTCATAAATTGACGTGAAGCAAATTGGGGCCCAACTCC  172
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Db   44  ATTATTACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCC   103

Qy  173  TGCCTCCGCTCTACTCGCTGCTGTCATCTTTGGTTTTGTGGGCAACATGCTGGTCGTCC   232
         ||||||||||||||||| |||| || ||||||||||||||||||||||||||||||| |||
Db  104  TGCCTCCGCTCTACTCACTGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCATCC  163

Qy  233  TCATCTTAATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG   292
         ||||| | ||||||||||||||||||||| || ||||| ||||| ||||||||||||||||
Db  164  TCATCCTGATAAACTGCAAAAGCTGAAGAGCTGACATCTACCTGCTCAACCTGG        223

Qy  293  CCATCTCTGATCTGCTTTTTCTTATTACTCTCCCATTGTGGCTCACTCTGCTGCAAATG   352
         |||||||||| ||| ||||| ||| ||||| | |  | ||| |||||| | ||||  |||
Db  224  CCATCTCTGACCTGTTTTTCCTTCTTACTGTCCCCCTCTCGGCGCTCACTATGCTGCCGCCC  283

Qy  353  AGTGGGTCTTTGGGAATGCAATGTGCAAATTATTCACACGGCTGTATCACATCGGTTATT  412
         |||||| |||||| |||| ||||||| |||  ||||||||||  ||| ||||||||||| |||
Db  284  AGTGGGACTTTGGAAATACAATGTGACAACTCTTGACACGGCTCTATTTTATAGGCTTCT   343

Qy  413  TTGGCGGAATCTTCTTCATCATCCCTGACAATCGATAGATACCTGGCTATTGTCCATG    472
           ||||||||||||||||||||| ||||||||||| |||| | |||||||||| |||||||
Db  344  TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATG  403

Qy  473  CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCT  532
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |
Db  404  CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT   463

Qy  533  GGTTGGTGGCTGTGTTTGCTTCGTCTGCTCCCAGGAAATCATCTTTACTAAATGCCAGAAAGAAG  592
          | |||||||||||||||||||| ||| || ||||||| |||||||| |  || ||||||||||||
Db  464  GGGTGGTGGCTGTGTTTGCTTCGTCTCTCCCCAGGAATCATCTTTACCAGATCTCAAAAGAAG   523

Qy  593  ATTCTGTTTTATGTCTGTGGCCCTTATTTTCCA----------CGGAGGATGGAATAATT   640
              | |   || |  ||| | |||||||||||||          |  ||| ||| ||||
Db  524  GTCTTCATTACACCTGCAGCTCTCATTTTCCATACAGTCAGTATCAATTCGGAAGAATT    583

Qy  641  TCCACACAATAATGAGGAACATTTGGGGCTGGTCCTGCCGCTGGTCATCATGGTCATCT   700
          ||| ||  || |  ||  |  ||||||||||||||||||||||||||  | ||||||||
Db  584  TCCAGACATTAAGATAGTCATCTTGGGGCTGGTCCTGCCGCTGGTCTTGTCATGGTCATCT  643

Qy  701  GCTACTCGGAATCCGGAATCCTGAAAACCCTGCTTCGGGTGCGAAACGAGAGAGGCATAGGG  760
         |||||||||||||||||||||| ||||| | |||||||||||||||| |||||||||||||| ||
Db  644  GCTACTCGGAATCCGGAATCCTAAAAACTCGCTTCGGGTGCGAAATGAGAGAGGCACAGGG   703

Qy  761  CAGTGAGAGTCATCTTCACCATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAACA   820
         |  ||||  | ||| ||||||||||||||||||||  ||||||||||  ||||||| ||||
Db  704  CTGTGAGGCTTATTCTTCACCATCATGATTGTTTATTTTTCTTCTGGGGCTCCCTACAACA   763

Qy  821  TTGTCATTCTCCTGACAACACCTTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACCA  880
         ||||| |||||||||||||||||||||||||||||| ||||||| ||| || |||||||| ||
Db  764  TTGTCCTTCTCCTGACAACACCTTCCAGGAATTCTTGGCCTGAATAATTGCAGTGAGCTCTA   823

Qy  881  GTCAACTGGACCAAGCCACGCAGTTGACAGAGACTCTTGGGATGACTCACTGCTGCATCA   940
          | | |||||||||||||||||||||||||||||||||||||||||  ||||||||||||
Db  824  ACAGGTTGGACCAAGCCACGCAGTTGACAGAGACTCTTGGGATGACGACCACTGCTGCATCA  883

Qy  941  ATCCCATCATCTATGCCTTCGTTGGGGAGAAGTTCAGAAGC                     981
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Db  884  ACCCCATCATCTATGCCTTTGTCGGGGAGAAGTTCAGAAAC                     924
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RESULT 10
US-09-087-232A-12
; Sequence 12, Application US/09087232A
; Patent No. 6153431
; GENERAL INFORMATION:
;   APPLICANT: Quillent et al.
;   TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
;   TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.
;   NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Baker & Botts, L.L.P. attn. Lisa Kole
;   STREET: 30 Rockefeller Plaza
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10112
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/087,232A
;   FILING DATE: 28 MAY 1998
;   CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 60/048,057
;   FILING DATE: 30 MAY 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: KOLE, LISA B.
;   REGISTRATION NUMBER: 35,225
;   REFERENCE/DOCKET NUMBER: AP 31115
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 408-2628
;   TELEFAX: (212) 765-2519
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1376 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 240..1298
US-09-087-232A-12

Query Match 28.3%; Score 632.6; DB 3; Length 1376;
Best Local Similarity 83.4%; Pred. No. 4.5e-171;
Matches 735; Conservative 0; Mismatches 134; Indels 12; Gaps 1;

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Qy  113  ATTATGATTACGGTGCTCCCGTGTCATAAATTGACGTGAAGCAAATTGGGGCCCAACTCC  172
              |||||| ||  |||| || || |   ||||||||||  -  ||||  |||
Db  277  ATTATTACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCC   336

Qy  173  TGCCTCCGCTCTACTCGCTGCTGTCATCTTTGGTTTTGTGGGCAACATGCTGGTCGTCC   232
         ||||||||||||||||| |||| || |||||||||||||||||||||||||||||| |||
Db  337  TGCCTCCGCTCTACTCACTGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCATCC  396

Qy  233  TCATCTTAATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG   292
         ||||| | ||||||||||||||||||||| || ||||| ||||| |||||||||||||||
Db  397  TCATCCTGATAAACTGCAAAAGCTGAAGAGCTGACATCTACCTGCTCAACCTGG        456

Qy  293  CCATCTCTGATCTGCTTTTTCTTATTACTCTCCCATTGTGGCTCACTCTGCTGCAAATG   352
         |||||||||| ||| ||||| ||| ||||| | |  | ||| |||||| | ||||  |||
Db  457  CCATCTCTGACCTGTTTTTCCTTCTTACTGTCCCCCTCTCGGCGCTCACTATGCTGCCGCCC  516

Qy  353  AGTGGGTCTTTGGGAATGCAATGTGCAAATTATTCACACGGCTGTATCACATCGGTTATT  412
         |||||| |||||| |||| ||||||| |||  ||||||||||  ||| ||||||||||| |||
Db  517  AGTGGGACTTTGGAAATACAATGTGACAACTCTTGACACGGCTACATAGGCTTCATG     576

Qy  413  TTGGCGGAATCTTCTTCATCATCCCTGACAATCGATAGATACCTGGCTATTGTCCATG   472
           ||||||||||||||||||||| ||||||||||| |||| | ||||||||| |||||||
Db  577  TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATG  636

Qy  473  CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCT  532
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |
Db  637  CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT   696

Qy  533  GGTTGGTGGCTGTGTTTGCTTCGTCTGCTCCCAGGAAATCATCTTTACTAAATGCCAGAAAGAAG  592
          | |||||||||||||||||||| ||| ||| ||||| |||||||| |  || ||||||||||||
Db  697  GGGTGGTGGCTGTGTTTGCTTCGTCTCTCCCCAGGAATCATCTTTACCAGATCTCAAAAGAAG   756
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Query Match            28.3%;  Score 632.6;  DB 4;  Length 1477;
Best Local Similarity  83.4%;  Pred. No. 4.7e-171;
Matches  735;  Mismatches  134;  Conservative  0;  Indels  12;  Gaps  1;

Qy   113 ATTATGATTACGGTGCTCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCC  172
Db   277 ATTATTATACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCC  336

Qy   173 TGCCTCCGCTCACTCGCTGTGTTCATCTTGGTTTGTGGGCAACATGCTGGTCGTCC  232
Db   337 TGCCTCCGCTCACTCACTGGTGTCATCTTTGGTTTGTGGGCAACATGCTGGTCATCC  396

Qy   233 TCATCTTAATAAACTGCAAAAGTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG  292
Db   397 TCATCCTGATAAACTGCAAAAGGCTGAAGAGCATGACCGACATCTGCTCAACCTGG  456

Qy   293 CCATCTCTGATCTGCTTTTCTTATTACTCCTCCATTGTGGGCTCCACTCTGCTCGCAAATG  352
Db   457 CCATCTCTGACCTGTTTTTCCTTCTACTGCTCCTACTGTGGCCTCACTATGCTGTCGCCCC  516

Qy   353 AGTGGGTCTTTGGGAATGCAATGCGCAAATTATTCACAGGGCTGTATCACATCGGTTATT  412
Db   517 AGTGGGACTTTGGAAATACAACATGTCAACTCTTGACAGGGCTCAGGGCTCTATTTTATAGGCTTCT  576

Qy   413 TTGCGGAATCTTCTTCATCATCCTCCTGACAATGATAGATACCTGGCTATTGTCCATG  472
Db   577 TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCTCTGACAGTGTACCTGGCGTGTCCATG  636

Qy   473 CTGTCTTGCTTGCTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACAAGTGATCACTT  532
Db   637 CTGTGTTTGCTTGCTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGTGACAAGTGATCACTT  696

Qy   533 GGTTGGTGGCTGTGTTTGCTTCGTCTCCAGGAATCATCTTTACTAAATGCCAGAAGAAG  592
Db   697 GGGTGGTGGCTGTGTTTGCGTCTCCTCCCAGGAATCATCTTTACCAGGATCATCATAAAAGAAG  756

Qy   593 ATTCTGTTTATGTCTGTGGCCCTTATTTTCCA--------CGAGGATGGAATAATT  640
Db   757 GTCTTCATTACACCTGCAGCTCTCATTTTCCATACACAGTCAGTATCAATTCTGGAAGAATT  816

Qy   641 TCCACACAATAATGAGGAACATTTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCATCT  700
Db   817 TCCAGACATTAAAGATAGTCATCTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCATCT  876

Qy   701 GCTACTCGGGAATCCTGAAAACCTGCTTCGGTGTCGAAACGAGAAGAAGAGGCATAGGG  760
Db   877 GCTACTCGGGAATCCTGTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACACA  936

Qy   761 CAGTGAGAGTCATCTTCACCATCATGATTGTTACTTCTCTTCTGGACTCCCTATAACA  820
Db   937 CTGTGAGGCTTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACACA  996

Qy   821 TTGTCATTCTCCTGAACACCTTCCAGGAATCTTCGGCCTGAACTGTGAAAGCACCA  880
Db   997 TTGTCCTTCTCCTGAACACCTTCCAGGAATCTTCGGCCTGAATAATTGCAGTAGCTCTA  1056

Qy   881 GTCAACTGGACCAAGCCACGCAGGTGACAGAGACTCTTGGGATGACTCACTCTGCATCA  940
Db  1057 ACAGGTTGGACCAAGCTATGCAGGTGACAGGTGACGACAGACTCTTGGGATGACGCACTCTGCATCA  1116

Qy   941 ATCCCATCATCTATGCCTTTGCGTGGGGAGAAGTTCAGAAGC  981
Db  1117 ACCCCATCATCTATGCCTTTGTCGGGGAGAAGTTCAGAAAC  1157
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Qy   593 ATTCTGTTTATGTCTGTGGCCCTTATTTTCCA--------CGAGGATGGAATAATT  640
Db   757 GTCTTCATTACACCTGCAGCTCTCATTTTCCATACACAGTCAGTATCAATTCTGGAAGAATT  816

Qy   641 TCCACACAATAATGAGGAACATTTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCATCT  700
Db   817 TCCAGACATTAAAGATAGTCATCTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCATCT  876

Qy   701 GCTACTCGGGAATCCTGAAAACCTGCTTCGGTGTCGAAACGAGAAGAAGAGGCATAGGG  760
Db   877 GCTACTCGGGAATCCTGTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACACA  936

Qy   761 CAGTGAGAGTCATCTTCACCATCATGATTGTTACTTCTCTTCTGGACTCCCTATAACA  820
Db   937 CTGTGAGGCTTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACACA  996

Qy   821 TTGTCATTCTCCTGAACACCTTCCAGGAATCTTCGGCCTGAACTGTGAAAGCACCA  880
Db   997 TTGTCCTTCTCCTGAACACCTTCCAGGAATCTTCGGCCTGAATAATTGCAGTAGCTCTA  1056

Qy   881 GTCAACTGGACCAAGCCACGCAGGTGACAGAGACTCTTGGGATGACTCACTCTGCATCA  940
Db  1057 ACAGGTTGGACCAAGCTATGCAGGTGACAGGTGACGACAGACTCTTGGGATGACGCACTCTGCATCA  1116

Qy   941 ATCCCATCATCTATGCCTTTGCGTGGGGAGAAGTTCAGAAGC  981
Db  1117 ACCCCATCATCTATGCCTTTGTCGGGGAGAAGTTCAGAAAC  1157
```

```
;   APPLICANT:  ELLMEIER, WILFRIED
;   APPLICANT:  LANDAU, NATHANIEL R.
;   APPLICANT:  LIU, RONG
;   TITLE OF INVENTION:  G-COUPLED RECEPTORS ASSOCIATED WITH
;   TITLE OF INVENTION:  MACROPHAGE-TROPHIC HIV, AND DIAGNOSTIC AND THERAPEUTIC
;   TITLE OF INVENTION:  USES THEREOF
;   NUMBER OF SEQUENCES:  14
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  David A. Jackson, Esq.
;     STREET:  411 Hackensack Ave, Continental Plaza, 4th
;     STREET:  Floor
;     CITY:  Hackensack
;     STATE:  New Jersey
;     COUNTRY:  USA
;     ZIP:  07601
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/861,105
;     FILING DATE:
;     CLASSIFICATION:  436
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/666,020
;     FILING DATE:  19-JUN-1996
;     CLASSIFICATION:  436
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/227,319
;     FILING DATE:  13-APR-1994
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Jackson Esq., David A.
;     REGISTRATION NUMBER:  26,742
;     REFERENCE/DOCKET NUMBER:  1049-1-004 N1
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  201-487-5800
;     TELEFAX:  201-343-1684
; INFORMATION FOR SEQ ID NO:  13:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  3383 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  double
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA
;   HYPOTHETICAL:  NO
;   ORIGINAL SOURCE:
;     ORGANISM:  Homo sapiens
US-08-861-105-13

Query Match            28.3%;  Score 632.6;  DB 4;  Length 3383;
Best Local Similarity  83.4%;  Pred. No. 7.3e-171;
Matches  735;  Conservative   0;  Mismatches 134;  Indels 12;  Gaps 1;

Qy    113 ATTATGATTACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGGCCCAACTCC 172
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Db     92 ATTATTATACATCGGAGCCCTGCCAAAAATCAATGTGAAGCAAATCCAGCCCGCCTCC 151

Qy    173 TGCCTCCGCTCACTCGCTGGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCGTCC 232
          ||||||||||||| |||||||||||||||||||| ||||||| |||||||||| |||
Db    152 TGCCTCCGCTCACTCACTCGGTGTTCATCTTTGGTTTTGTGGGCAACATGCTGGTCATCC 211

Qy    233 TCATCTTAATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTTCAACCTGG 292
          ||||||||| |||||||||||||| |||| ||||||||| || ||||||||||||||||||
Db    212 TCATCTGATAAACTGCAAAAGGCTGAAGAGCCATGACACATCTACCTGCTTCAACCTGG 271

Qy    293 CCATCTCGATCGCTTTTCTTATTACTCTCCATTGTGGCTCACTCGCTGCAAATG 352
          ||||| |||||| ||| ||| |||| |||||||||||||| ||||||||||||||
Db    272 CCATCTCTGACCTGTTTTCCTTCTTACTGTCCCCTTCTGGGCTCACTATGCTGCCGCCC 331

Qy    353 AGTGGGTCTTTGGGAATGCAATGTGCAAATATTACCACAGGGCTGTATCACATCGGTTATT 412
          |||| || ||||| |  |||||| | |||||||||||||||||||||| |||| || |||
Db    332 AGTGGGACTTTGGAAATACAATACAATGTGCAACTCTTGACAGGCGTCTCAACTCTTTATAGGCTTCT 391
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Qy    413 TTGGCGGAATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTGGCTATTGTCCATG 472
          |  |||||||||||||||||||||||||||||||||||||| | |||||| |||||||||
Db    392 TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCTGTCGTCCATG 451

Qy    473 CTGTGTTGCTTAAAGCCAGACAGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCT 532
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    452 CTGTGTTTGCTTAAAGCCAGACAGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT 511

Qy    533 GGTTGGTGGCTGTGTTGCTTCTGTCCCAGGAATCATCTTTACTAAATGCCAGAAAGAAG 592
          || |||||||||||||||||||| ||| ||||||||||||||||||| ||| ||||||||
Db    512 GGGTGGTGGCTGTGTTGTTGCGTCTCTCCCAGGAATCATCTTTTACCAGATCTCAAAAGAAG 571

Qy    593 ATTCTGTTTATGTCTGTGGCCCTTATTTCCA--------CGAGGATGGAATAATT 640
          |  | |||  | ||  |  |||||| || || |||||||   |||||||||||||
Db    572 GTCTTCATTACCACCTGCAGCTCTCATTTCCATACAGTCAGTATCAATTCTGGAAGAATT 631

Qy    641 TCCACACAATGAGGAACATTTGGGCTGGTCCTGCCGCTGCTCATCATGGTCATCT 700
          |||  | || |||||||||||||||||||| |||||||||||||||||||||||||
Db    632 TCCAGACATTAAAGATAGTCATCTTGGGCGTGCCTGCCGTGTTCTGCCGCTGTTCATGTCATCT 691

Qy    701 GCTACTCGGGAATCCTGAAAACCCTGCTTCGGTGTGCGAAACAGAAGAAGAGGGCATAGGG 760
          ||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Db    692 GCTACTCGGGAATCCTAAAAAACTCTGCTTCGGTGTGCGAAATGAGAAGAGGCCACAGGG 751

Qy    761 CAGTGAGTCATCTTCACCATCATGATTGTTACTTTCTCTTCTGGACTCCCTATAACA 820
          |||||| | ||||| |||| ||| | ||||||||||| | |||||||||| || |||
Db    752 CTGTGAGGCTTATCTTCACCATCATGATTGTTTATTTTCTCTTCTCGGCTCCCTACACACA 811

Qy    821 TTGTCATTCTCCTGAACACCTTCCAGGAATTCTTCGGCCTGAGTAACGTGAAAGCACCA 880
          |||| ||||||||||||||||||||||| ||||||||||||||||||| ||||||||||||
Db    812 TTGTCCTTCTCCTGAACACCTTCCAGGAATTCTTTGGCCTGAATAATTGCAGTAGCTCTA 871

Qy    881 GTCAACTGGACCAAGCACCGCAGGTGACAGCTCTTGGGATGACTCACTGCTGCATCA 940
          ||||||||||||| | ||||||||||| ||||||||||||||||||||||||||||||
Db    872 ACAGGTTGGACCAAGCACCTGCAGGTGACAGAGACCACTGGGATGACGCACTGCTGCATCA 931

Qy    941 ATCCCATCATCTATGCCTTCGTTGGGGAGAAGTTCAGAAGC 981
          |||||||||||||||||||||||||||||||||||||||||
Db    932 ACCCCATCATCTATGCCTTTGTCGGGGAGAAGTTCAGAAAC 972

RESULT 13
US-08-575-967A-1
; Sequence 1, Application US/08575967A
; Patent No. 6265184
;   GENERAL INFORMATION:
;     APPLICANT:  Gray et al.
;     TITLE OF INVENTION:  Chemokine Receptor Materials and Methods
;     NUMBER OF SEQUENCES:  16
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;     STREET:  6300 Sears Tower, 233 S. Wacker Drive
;     CITY:  Chicago
;     STATE:  Illinois
;     COUNTRY:  USA
;     ZIP:  60606
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/575,967A
;     FILING DATE:
;     CLASSIFICATION:  435
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  No. 6265184and, Greta E.
;     REGISTRATION NUMBER:  35,302
;     REFERENCE/DOCKET NUMBER:  32918
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  206-485-1900
;     TELEFAX:  206-485-1662
```

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Db  872 ACAGGTTGGACCAAGCTATGCAGGTGACAGAGACTCTTGGGATGACGCACTGCTGCATCA 931

Qy  941 ATCCCATCATCTATGCCTTCGTTCGTTGGGGAGGAAGTTCAGAAGC 981

Db  932 ACCCCATCATCTATGCCTTTGTCGGGGAGGAAGTTCAGAAAC 972


RESULT 14
US-09-293-170-3
; Sequence 3, Application US/09293170
; Patent No. 6383777
; GENERAL INFORMATION:
;  APPLICANT: Breyer, Richard M.
;  APPLICANT: Ma, Lijun
;  APPLICANT: Kennedy, Chris
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR HIGH YIELD
;  TITLE OF INVENTION: PRODUCTION OF EUKARYOTIC PROTEINS
;  FILE REFERENCE: 22000.0094
;  CURRENT APPLICATION NUMBER: US/09/293,170
;  CURRENT FILING DATE: 1999-04-16
;  EARLIER APPLICATION NUMBER: 60/081,989
;  EARLIER FILING DATE: 1998-04-16
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;  LENGTH: 5674
;  TYPE: DNA
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  NAME/KEY: CDS
;  LOCATION: (300)...(1616)
;  OTHER INFORMATION: Description of Artificial Sequence:/note =
;  OTHER INFORMATION: synthetic construct
US-09-293-170-3

Query Match             28.3%;  Score 632.6; DB 4;  Length 5674;
Best Local Similarity   83.4%;  Pred. No. 9.7e-171;
Matches 735;  Conservative  0;  Mismatches 134;  Indels 12;  Gaps 1;

Qy  113 ATTATGATTACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCC 172
            |||||  || || | |||||||| || | | |||||||||||||||  |  |||||
Db  571 ATTATTATACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCC 630

Qy  173 TGCCTCCGCTCTACTCGGCTGGTGTTCATCTTTGTTGTTGGGCAACATGCTGGTCGTCC 232
         |||||||||||||||| ||||||||||||||||| |||||||||||||||||||||||
Db  631 TGCCTCCGCTCTACTCACTGGTGTTCATCTTTGTTTGTTGGGCAACATGCTGGTCATCC 690

Qy  233 TCATCTTAATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG 292
         ||||| | ||||||||||||| |||||  | | ||| ||||| |||||||||||||||
Db  691 TCATCCTGATAAACTGCAAAAGGCTGAAGAGCATGACGACATCTACCTGCTCAACCTGG 750

Qy  293 CCATCTCTGATCGTCTTTTTCTTATTACTCTCCCATTGTGGCTCACTCGTGCCGCCC 352
         |||||||||| |  ||||||| ||  |  |||  | |  ||||||| |  |||||||
Db  751 CCATCTCTGACCTGTTTTTCCTTCTTGACCTTGTCCCTTCTGGGCTCACTGCTGCCGCCC 810

Qy  353 AGTGGTCTTTGGGAATGCAAATGTCAATTATTCACAGGGCTGTATCACATCGGTTATT 412
         |||||  ||||| ||| ||| ||| | ||  |  ||||||| || |||| |||||||
Db  811 AGTGGGACTTTGGAATACAATGTGTCAACTCTTGACAGGGCTCTATTTTTATAGGCTTCT 870

Qy  413 TTGGCGGAATCTTCTTCATCATCCTCGACAATGGATAGATACCTGGCTATTGTTCCATG 472
         |||| |||||||||||||||||| | ||||| || || |||  || |   ||||||||
Db  871 AGTGGGACTTTGGAATACAATGTGTCAACTCTTGACAGGGCTCTATTTTTATAGGCTTCT 930

Qy  473 CTGTGTTTGCTTTAAAAGCCAGGAGGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCT 532
         ||||||||||||||||||||||||||| | ||||||||||||||||||||||||||||
Db  931 CTGTGTTTGCTTTAAAAGCCAGGAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT 990

Qy  533 GGTTGGTGGCGTGTGTTGCTTGCGTCTCTCCAGGAATCATCTTACTAAATGCCAGAAAGAAG 592
         || |||||||||||||||||||||||||||||||||||||||||   || ||||||||||
Db  991 GGGTGGTGGCGTGTGTTGCTTGCGTCTCTCCCAGGAATCATCTTACCAGGAATCATCTTACCAGGAAG 1050

Qy  593 ATTCTGTTATTGATGTCTGTGGCCCTTATTTTCCA----------CGGAGGATGGAATAATT 640
         ||| ||||||||| |||| |||| ||| || |||           ||| |||||||| ||||
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```
Query Match             28.3%;  Score 632.6; DB 4;  Length 3383;
Best Local Similarity   83.4%;  Pred. No. 7.3e-171;
Matches 735;  Conservative  0;  Mismatches 134;  Indels 12;  Gaps 1;

Qy  113 ATTATGATTACGGTGCTCCCTGTCATAAATTGACGTGAAGCAAATTGGGCCCAACTCC 172
            |||||  || || | |||||||| || | | |||||||||||||||  |  |||||
Db   92 ATTATTATACATCGGAGCCCTGCCAAAAAATCAATGTGAAGCAAATCGCAGCCCGCCTCC 151

Qy  173 TGCCTCCGCTCTACTCGGCTGGTGTTCATCTTTGTTGTTGGGCAACATGCTGGTCGTCC 232
         |||||||||||||||| ||||||||||||||||| |||||||||||||||||||||||
Db  152 TGCCTCCGCTCTACTCACTGGTGTTCATCTTTGTTTGTTGGGCAACATGCTGGTCATCC 211

Qy  233 TCATCTTAATAAACTGCAAAAGCTGAAGTGCTTGACTGACATTTACCTGCTCAACCTGG 292
         ||||| | ||||||||||||| |||||  | | ||| ||||| |||||||||||||||
Db  212 TCATCCTGATAAACTGCAAAAGGCTGAAGAGCATGACGACATCTACCTGCTCAACCTGG 271

Qy  293 CCATCTCTGATCGTCTTTTTCTTATTACTCTCCCATTGTGGCTCACTCGTGCCGCCC 352
         |||||||||| |  ||||||| ||  | | ||  | |  ||||||| |  |||||||
Db  272 CCATCTCTGACCTGTTTTTCCTTCTTGACGTCACTAATGCTGCACTAATGCTGCGCCCC 331

Qy  353 AGTGGTCTTTGGGAATGCAAATGTCAATTATTCACAGGGCTGTATCACATCGGTTATT 412
         |||||  ||||| ||| ||| ||| | ||  |  ||||||| || |||| |||||||
Db  332 AGTGGGACTTTGGAAATACAATGTGTCAACTCTTGACAGGGCTCTATTTTTATAGGCTTCT 391

Qy  413 TTGGCGGAATCTTCTTCATCATCCTCGACAATGGATAGATACCTGGCTATTGTTCCATG 472
         |||| |||||||||||||||||| | ||||| || || |||  || |   ||||||||
Db  392 TCTCTGGAATCTTCTTCATCATCCTCGACAATGCGATAGTACCGTCGTCGTCGTCCATG 451

Qy  473 CTGTGTTTGCTTTAAAAGCCAGGAGGGTCACCTTTGGGGTGGTGACAAGTGTGATCACCT 532
         ||||||||||||||||||||||||||| | ||||||||||||||||||||||||||||
Db  452 CTGTGTTTGCTTTAAAAGCCAGGAGGACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTT 511

Qy  533 GGTTGGTGGCGTGTGTTGCTTGCGTCTCTCCAGGAATCATCTTACTAAATGCCAGAAAGAAG 592
         || |||||||||||||||||||||||||||||||||||||||||   || ||||||||||
Db  512 GGGTGGTGGCGTGTGTTGCTTGCGTCTCTCCCAGGAATCATCTTACCAGGAATCATCTTACCAGGGG 571

Qy  593 ATTCTGTTATTGATGTCTGTGGCCCTTATTTTCCA----------CGGAGGATGGAATAATT 640
         ||| ||||||| | |||| |||| |||| ||| |||          ||| |||||||| ||||
Db  572 GTCTTCATTACACCTGCAGCTCCATTTCCATACAGTCAGTATCAATTCTGGAAGAATT 631

Qy  641 TCCACACAATAATGAGGAACATTTGGGGCTGGTCCTGCCTGCTCATCATGGTCATCT 700
         ||||| | || || |||| |||||||||| || || || || | ||||||||||||
Db  632 TCCAGACATTAAAGATAGTAGTCATCTTGGGGGTGTCCTGCCTGCTTGTCATGGTCATCT 691

Qy  701 GCTACTCGGGAATCCTGAAAACCCTGCTCCGTGTCAAACCAGAAGAGGCATAGGG 760
         |||||| ||||||||| |||| | | |||||||| | || || ||||| ||| |||
Db  692 GCTACTCGGGAATCCTAAAAACTCTGCTTCGTGTCGCAATGAGAAGAGGCCACAGGG 751

Qy  761 CAGTGAGAGTCATCTTCACCATCATGATTGTTTACTTTCTTCTTCTGACTCCCTATAAACA 820
         |||| || |||||| || ||||||| | | ||| |||||||| || ||||||||||| || |
Db  752 CTGTGAGGCTTATCTTCACCATCATGATTGTTGTTTATTTTCTTCTTCCTGGGCTCCCTACAACA 811

Qy  821 TTGTCATTCTCCTGAACACCTTCCAGGAATTCTTCGGCCTGAGCTAACTGTGAAAGCACCA 880
         ||||||||| | ||| |||||||||| ||| || ||||| || || | |||||||||| |
Db  812 TTGTCCTTCTCCCGAAACACCTTCCAGGAATTCTTTGGCCTCTCCCAGGAATAATTGCAGTAGCTCTA 871

Qy  881 GTCAACTGGACCAAGCTGACAGAGACTCTTGGGATGACGCACTGCTGCATCA 940
         |||||||||||||||||||||||||||||||||||||||||||||||||||
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Matches 733; Conservative 0; Mismatches 136; Indels 12; Gaps 1;

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Qy    113 ATTATGATTACCGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATTGGGCGCCAAACTCC 172
          ||||| |||  ||||  |||||| ||||    | |||  ||||||||||| ||  ||  ||
Db    296 ATTATTATACATCGGAGCCCTGCCCAAAAATCAATGTGAAGCAAATCGCAGCCCCGCCTCC 355

Qy    173 TGCCTCCGCTCACTCGCTCGGTGTTCATCTTTGGTTTGGGCCAACATCGTGGTCGTCC    232
          ||||||||||||||||||||||||||||||||||||||||||||||||  ||  ||
Db    356 TGCCTCCGCTCACTCACTGGTGTTCATCTTTGGTTTTGTGGGCCAACATGCTGGTCATCC  415

Qy    233 TCATCTTAATAAACTGCAAAAAGCTGAAGAGTGCTTGAACATTTACCTGCTCAACCTGG   292
          || | |  ||||   ||   || |||||||||||  |||| ||||||||||||||||||
Db    416 TCATCCTGATAAACTGCCAAAGGCTGGAGAGCGATGACTGACATCTACCTGCTCAACCTGG 475

Qy    293 CCATCTCGATCTGCTTTTTCTTATTACTCTCCATTGGGCTCACTCTGCTGCCAAATG    352
          |||||||||||||| |||| ||| || || | |||||| |||||||||||||||| |
Db    476 CCATCTCGACCTGTTTTCCTTCTTACTGTCCCCTTCTACTCGGGCTCACTGTGCTGCGCCC 535

Qy    353 AGTGGGTCTTTGGGAATGCAATGTGCAAATTATTCACAGGGCGTGTATCACATCGGTTAT  412
          ||| ||||||||||||| || |||||   | | |  ||||| | |||||||  | | ||
Db    536 AGTGGGGACTTTGGAAATACAATGTGTCAACTCTGACAGGGCTCAATCTTTTATAGGCTTCT 595

Qy    413 TTGGCGGAATCTTCTTCATCATCCTCCTGACAAATCGATAGATACCTGGCTATTGTCCATG 472
          |||| |||||| || |||||||| || ||||||| |||  || ||||| |  | |||||||
Db    596 TCTCTGGAATCTTCTTCATCATCCTCCTGACAATCGATAGGTACCTGGCTATCGTCCATG  655

Qy    473 CTGTGTTGCTTAAAAGCCAGGACGGTCACCTTTGGGCTGGTGACAAGTGTGATCACCT    532
          || |||| ||||||||||||| ||||||||||||||||||||||||||||||||||||
Db    656 CTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGCTGGTGACAAGTGTGATCACTT  715

Qy    533 GGTTGGTGGCTGGTTGCTTCTGTCCCAGGAATCATCTTTACTAAATGCCAGAAAGAAG   592
          |||||||||| ||||||||||| |||| || || | || | |||||||||||  |||
Db    716 GGGTGGTGGCTGGTTGCTTCTCTCCCAGGAAATCATCTTTACCAGATCCAAAAAGAAG   775

Qy    593 ATTCTGTTTATGTCTGTGCCCTTATTTCCA------------CGAGGATGGAATAATT    640
          | | | | | |||||| |||| ||  |    |||||||||| |    |||| |||||
Db    776 GTCTTCATTACACCTGCAGCTCTCATTTCCATCAGTACGATCAATTCTGGAAGAATT  835

Qy    641 TCCACACAATAATGAGGAACATTTTGGGCTGGTCATCATGGTCATCT    700
          |||| ||| | | ||| |||||||  ||||||||||||||||||||
Db    836 TCCAGACATTAAAGATAGTCATCTTGGGCTGGTCGAAATGAGAGGCACAGGG  895

Qy    701 GCTACTCGGGAATCCTGAAAACCCTGCTTCGGTGTCGAAACGAGAGAAGAGGCATAGGG  760
          ||||||||||||| ||||| |||||||| |||||||| |||| |||||||||||| |
Db    896 GCTACTCGGGAATCCTAAAAACCTCGTTCGGTGTCGAAATGAGAGGAGAAGAGGCACAGGG 955

Qy    761 CAGTGAGAGTCATCTTCACCATCATGATTGTTACTTCTCTTCTGGACTCCCTATAACA    820
          |||  ||| | ||||||||||| || | |||  ||||| |||||  |||||| || ||
Db    956 CTGTGAGGCTTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACCACAACA 1015

Qy    821 TTGTCATTCTCCTGAACACCTTCGGCCTGAGTAACTGTGAAAGCACCA    880
          |||| |||||||||||| |||||||||||| |||| || |||||||||
Db   1016 TTGTCCTTCTCCTGAACACCTTCCGGCCTGAGTAATAATGCCAGTAGCTCTA 1075

Qy    881 GTCAACTGGACCAAGCCACGCAGGTGACAGACTCTTGGGATGACTCACTGCTGCATCA  940
          |||||||||| ||||||||| |||||||||||||| |||||| ||| ||| ||||||
Db   1076 ACAGGTTGGACCAAGCTATGCAGGTGACAGACTCTTGGGATGACGCACTGCTGCTGCATCA 1135

Qy    941 ATCCCATCATCTATGCCTTCGTTGGGGAGGAAGTTCAGAAGC     981
          |||||||||||||| || ||||| |||||||||||||||||
Db   1136 ACCCCATCATCTATGCCTTTGTCGGGGAGGAAGTTCAGAAAC    1176

Db   1051 GTCTTCATTCACACCTGCAGCTCTCATTTCCATACAGTCAGTATCAATTCTGGAAGAATT 1110
Qy    641 TCCACACAATAATGAGGAACATTTTGGGCTGGTCGTCCTCGCCGCTCCATCATGGTCATCT 700
          ||| |  || || ||  ||||||  |||||||||| || | || | ||||||||||||||
Db   1111 TCCAGACATTAAAGATAGTCATCTTGGGCTGGTCGTCCCGCTGCTTGTCATGGTCATCT 1170
Qy    701 GCTACTCGGGAATCCTGAAAACCCTGCTTCGGTGTCGGTGTCGAAAACGAGAAGAAGAGGCATAGGG 760
Db   1171 GCTACTCGGGAATCCTAAAAACCTCTGCTTCGGTGTCGTGTCGAAATGAGAGGAGAGAGGCACAGGG 1230
Qy    761 CAGTGAGAGTCATCTCACCATCATGATTGTTACTTCTCTTCTGGACTCCCTATAACA 820
Db   1231 CTGTGAGGCTTATCTTCACCATCATGATTGTTATTTCTCTTCTGGGCTCCCTACAACA 1290
Qy    821 TTGTCATTCTCCTGAACACCTTCGGCCTGAGTAACTGTGAAAGCACCA 880
Db   1291 TTGTCCTTCTCCTGAACACCTTCCGGCCTGAGTAATAATTGCAGTAGCTCTA 1350
Qy    881 GTCAACTGGACCAAGCCACGCAGGTGACAGACTCTTGGGATGACTCACTGCTGCATCA 940
Db   1351 ACAGGTTGGACCAAGCTATGCAGGTGACAGACTCTTGGGATGACGCACTGCTGCATCA 1410
Qy    941 ATCCCATCATCTATGCCTTCGTTGGGGAGGAAGTTCAGAAGC 981
Db   1411 ACCCCATCATCTATGCCTTTGTCGGGGAGGAAGTTCAGAAAC 1451
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RESULT 15
US-08-466-343D-1
; Sequence 1, Application US/08466343D
; Patent No. 6025154
; GENERAL INFORMATION:
; APPLICANT: LI, Y1
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN
; TITLE OF INVENTION: CHEMOKINE RECEPTOR HDGNR10 (AS AMENDED)
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,343D
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
US-08-466-343D-1

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1414 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 259..1314
US-08-466-343D-1

Query Match   28.2%; Score 629.4; DB 3; Length 1414;
Best Local Similarity 83.2%; Pred. No. 3.8e-170;

Search completed: June 1, 2003, 20:07:31
Job time : 130.319 secs